

7. A device according to claim 5, wherein θ_1 is substantially 15° and the low twist state is substantially $\phi = 0^\circ$.

8. A device according to claim 5, wherein $5^\circ < \theta_1 < 25^\circ$ and the low twist state is substantially $\phi = 63.6^\circ$.

9. A device according to claim 5, wherein $\theta_1 = 15^\circ$ and the low twist state is substantially $\phi = 63.6^\circ$.

11. A device according to claim 5, wherein $5^\circ < 90^\circ - \theta_1 < 25^\circ$ and the low twist state is substantially $\phi = 63.6^\circ$.

14. A device according to claim 1, wherein the retarder adjacent to the polariser is a BTN which in the low twist state has $\phi = 0^\circ$ and optic axis at an angle α to either the transmission or absorption axis of the polariser and the retarder adjacent the reflector is a fixed retarder with optic axis at an angle $2\alpha + 45^\circ + x$, wherein $x < 5^\circ$.

20. A device according to claim 16, wherein the retarder comprising a BTN liquid crystal provides a retardation of $n \lambda/4$.

23. A device according to claim 22, wherein the retarder adjacent the polariser is at angle α to the axis of the polariser, the next retarder is at angle β to the axis of the polariser and the retarder adjacent the reflector is a BTN which in the low twist state, ϕ , has the input director (LC director at cell surface adjacent to retarder) at an angle $2(\beta - \alpha) + \theta(\phi) + x$ to the axis of the polariser wherein $x < 5^\circ$.

25. A device according to claim 23 in which $\alpha = 6.9^\circ$ and $\beta = 34.5^\circ$.

68 30. A device according to claim 22, wherein the wavelength λ is an operating wavelength of the reflective liquid crystal device and is in the range 400-700nm.

32. A device according to claim 1 in which the BTN switches between a state ϕ and $(\phi \pm 360^\circ)$.

29 33. A device according to claim 1 in which the BTN switches between a state ϕ and $(\phi \pm 180^\circ)$.

Kindly add new claims 34-37 as follows:

34. A device according to claim 16 in which the BTN switches between a state ϕ and $(\phi \pm 360^\circ)$

35. A device according to claim 16 in which the BTN switches between a state ϕ and $(\phi \pm 180^\circ)$.

36. A device according to claim 21 in which the BTN switches between a state $\phi \pm 360^\circ$

37. A device according to claim 21 in which the BTN switches between a state ϕ and $(\phi \pm 180^\circ)$.

A version of the above amended claims marked to indicate the specific amendments may be found in the attached Appendix, in accordance with 37 CFR 1.121(c)(1).